

2022 North Carolina QSO Party Rules

Object

For amateur radio operators outside the state of North Carolina: make contact with North Carolina stations. For amateur radio operators within North Carolina: activate as many NC counties as possible, and make contact with everyone.

Contest Period

1500 UTC February 27, 2022 to 0100 UTC February 28, 2022. (10 am to 8 pm EST on February 27, 2022). All stations may operate the entire contest period.

Categories

Single-Operator (Single-Op)

One person performs all operating and logging functions operating from only one fixed location used for amateur radio operation. This category allows QRP, Low Power, or High Power. Highest power used determines the award class entered.

Multi-Operator (Multi-Op)

More than one person performs transmitting, receiving and logging functions, all using the same call sign. All apparatus are to be located in the same location (within a 1000' diameter circle). A maximum of two simultaneous transmitted signals may be on the air at a given time. If two transmitters are used, they may be on the same or different bands. The operation is required to be in, and stay in, one fixed location for the duration of the contest. This category allows Phone only or Mixed mode operation using High or Low power. Highest power and mode(s) used determine the award class entered. No remote operation is allowed in this category.

Submit one combined electronic Cabrillo log file. Each participant's call sign should be listed in the Cabrillo header on the "OPERATORS:" line. Individual participants may not use their own call sign to work their own multi operation for QSO credit at any time during the event.

Mobile

One or more persons perform operating and logging functions from a self-contained vehicle capable of operating while in motion. Motion is optional. All apparatus used must be wholly contained in, on or attached to the vehicle. Attention to driving and safety is top priority. Use of a separate driver (whether an amateur radio operator or not) is allowed and strongly encouraged. Mobile stations that choose to move to a new county may work everyone again for QSO credit. If returning to a previously activated county, only new stations, respective of band and mode, not previously worked from there, may be counted as QSO credit. Mobiles may give out two counties in one QSO if part of the vehicle is physically and safely located in both counties simultaneously. See **County Line Contacts** paragraph below. This category allows only Low Power award class.

Expedition

One or more persons operating from a temporary, stationary location using portable antennas and radios. No permanent antenna structures may be used. Use of trees, buildings, etc., to raise antennas is allowed as long as it is safe to do so and not originally intended for that purpose. Mobile radios, equipment, and antennas installed in, on or attached to a vehicle wholly for mobile operation are not permitted to be used in this class. The vehicle may be used as part of the setup once stopped in the temporary location. All apparatus are to be located in the same location (within a 1000' diameter circle). Expedition stations that choose to move to a new county may work everyone again for QSO credit. If returning to a previously activated county, only new stations, respective of band and mode, not previously worked from there, may be counted as QSO credit. Expeditions may give out two counties in one QSO if part of the radio, feed line, or antenna is physically and safely located in both counties simultaneously and all equipment is still within the 1000' diameter circle. See **County Line Contacts** below.

Awards

Plaques for first place, and certificates for second place will be awarded in the following categories:

Single-Op / In-State / Phone (Low Power)
Single-Op / In-State / Phone (High Power)
Single-Op / In-State / CW (Low Power)
Single-Op / In-State / CW (High Power)
Single-Op / In-State / Digital / Low Power
Single-Op / In-State / Mixed Mode (Low Power)
Single-Op / In-State / Mixed Mode (High Power)
Single-Op / In-State / Mixed Mode (QRP)
Multi-Op / In-State / Phone (Low Power)
Multi-Op / In-State / Mixed Mode (Low Power)
Multi-Op / In-State / Mixed Mode (High Power)
Mobile / In-State / Mixed Mode (Low Power)
Expedition / In-State / Mixed Mode (Low Power)
Single-Op / Out-of-State / Phone (Low Power)
Single-Op / Out-of-State / Phone (High Power)
Single-Op / Out-of-State / CW (Low Power)
Single-Op / Out-of-State / CW (High Power)
Single-Op / Out-of-State / Digital (Low Power)
Single-Op / Out-of-State / Mixed Mode (Low Power)
Single-Op / Out-of-State / Mixed Mode (High Power)
Single-Op / Out-of-State / Mixed Mode (QRP)
Top DX Score
First 100 County Sweep

Operating Details

Exchange

In-State Stations work everyone, send call sign and NC county. Use county abbreviations as needed. Out-of-State Stations work NC stations only. Send call sign and state/province, or "DX". Use abbreviations as needed. Sending signal report (i.e., 59) is optional.

Bands

Operate on 80/75, 40, 20, 15, 10, 6, and 2 meters. No 160, WARC, or above 2 meters. Suggested operating frequencies (MHz) CW: 3.540, 7.040, 14.040, 21.040, 28.040, 50.040, 144.040. Phone: 3.860, 7.260, 14.260, 21.360, 28.360, 50.160 (SSB), 52.040 (FM), 144.260 (SSB), 146.520 (FM). Digital: (Use standard digital frequencies per band plan) Check the North Carolina Facebook Group for latest info on the most active areas. No cross-band QSOs are allowed. No repeater, satellite, or other relaying device may be used to complete a QSO for award credit.

Power

QRP - 5 watts or less for CW, 10W-PEP for SSB/Phone.

Low - 150 watts or less.

High - Legal limit power.

Modes

Phone - Includes SSB, AM, FM voice

CW - All CW QSO's for award credit must take place in the CW sub portion of the band.

Digital - All legal digital modes (except CW as otherwise noted) are allowed and considered one mode for these purposes.

Mixed Mode – Use of one or more modes as described above. No cross mode QSOs are allowed.

Note: At this time FT-4/8 are NOT recognized digital modes allowed for QSO credit.

Scoring

QSO Points

Phone - 2 points each

CW - 3 points each

Digital - 5 points each

It is permissible to work the same station on each mode (Phone, CW, Digital) on each band for credit. A valid QSO logged for award credit consists of date, time, mode, call sign, and location as described in Exchange above. For In-State Mobile or Expedition participants: It is permissible to include two counties in a QSO where applicable. A two county QSO must be

logged as separate QSOs with two lines in the log, one for each of the two counties.

Multipliers

In-State participants: 100 North Carolina Counties, 49 US States (no NC) plus DC, 14 Canadian Provinces/Territories (AB, BC, LB, MB, NB, NF, NS, NU, NT, ON, PE, QC, SK, and YK), plus one DX. 165 total possible.

Out-of-state participants: 100 North Carolina Counties.

Any location not listed above is considered DX. This includes US Territories, Mexican provinces, and DXCC countries. No restriction on NC stations to work DX for QSO credit, but only one "DX" multiplier is applied in the calculation of the final score representing all DX worked.

Count each multiplier worked only once across all modes or bands.

Bonus Points

50 points each for working the following bonus stations: **N4D**, **N4U**, **N4K**, **N4E**, and **NC4QP**. (250 possible). In addition, 200 extra points will be awarded for working a sweep of all five stations spelling the word "DUKE" (from the call suffix letters) plus NC4QP (Total 450 points). See www.ncqsoparty.org on the NC QSO Party home page for details.

For Mobiles and Expeditions only: 100 bonus points will be awarded for each county activated where at least one QSO was completed.

Final Score

Multiply the total QSO points times the total multiplier value. Add bonus points to score (as applicable) after the multiplication.

Submitting Logs

Cabrillo format is required for all electronic logs submitted via the website. Carefully check and verify the category items that are in your log's header with the valid selections to ensure proper scoring.

CATEGORY-OPERATOR: Single-Op, Multi-Op, Mobile, Expedition, or Checklog

CATEGORY-MODE: CW, SSB, Digital or Mixed

CATEGORY-POWER: High, Low, or QRP

ARRL-SECTION: Your ARRL Section

ADDRESS: Address where your awards should be mailed: (Use as many lines as needed for address)

EMAIL: Valid email address for submitter

OPERATORS: Required for Multi-Op category, submit at least two participating operator call signs.

General

All logs must be received by March 13, 2022 (Paper logs are no longer accepted). Electronic submission via the website is required.

Web Page: Go to <http://www.ncqsoparty.org> "Logs" tab to submit your log.

County Line Contacts

A Mobile (while stationary) or Expedition may operate on a county line and contacts can be used as credit for two counties. A maximum of two counties may be worked simultaneously under this provision. Some part of the vehicle or radio apparatus (including antenna) must rest in and be located in each of the two counties on the county line. The methods to determine the county line are dictated by MARAC County Hunter rules outlining the definition of a county border. (<http://www.marac.org/awards.pdf> page 6) Note that this reference to MARAC is officially part of these rules. The entrant is responsible to document any county line determination, but this is not submitted with the log entry. This county line information is subject to audit and the committee will request this from the participant should the need arise.

Misc. Rules

For all entrants competing for awards in all categories, except "Multi-Op", only one transmitted signal is permitted to be on the air at a time. "Multi-Op" entries may have a maximum of two transmitted signals on the air simultaneously. There are no band or mode change limits.

In order to receive any award, entrants must have completed at least 25 QSOs. These QSOs must be logged within the same log that qualifies for the award. This applies to all plaques, certificates, prizes, drawings, and sweeps.

Use of spotting networks, nets, Packet Cluster, Skimmer, RBN, or other assistance is allowed in all categories.

Use of remote radio equipment and antennas (via remote link) is permitted in the Single-Op category only. Both receiving and transmitting equipment are required to be located together at the same location. Entry category QTH is based on the location of the transmitter, receiver, and antennas.

Final results will be posted on the NCQP web site. First place awards will be mailed to the recipients at the address provided in the Cabrillo log header or summary sheet. Second place certificates will be mailed to the recipient. Other non-category certificates awarded will be sent by e-mail.

Members of the North Carolina QSO Party Committee may participate but are not eligible for individual awards. A committee member's participation within a Multi-Op category activation disqualifies that operation from award eligibility. 1X1 spelling bee bonus stations are not eligible for awards. Members of the NCQP Advisory Committee, however, are eligible for awards.

By reference, the World Wide Radio Operators Foundation (WWROF) **Contester's Code of Ethics** is incorporated in these rules and each entrant submitting a log for an award agrees to apply these principles during and after the event. More information is found here <https://wwrof.org/contester-code-of-ethics/>

Each entrant submitting a log for an award agrees to be bound by the provisions, and intent, of these rules, the requirements of his or her amateur license, and the decisions of the North Carolina QSO Party committee.